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Quartz implants

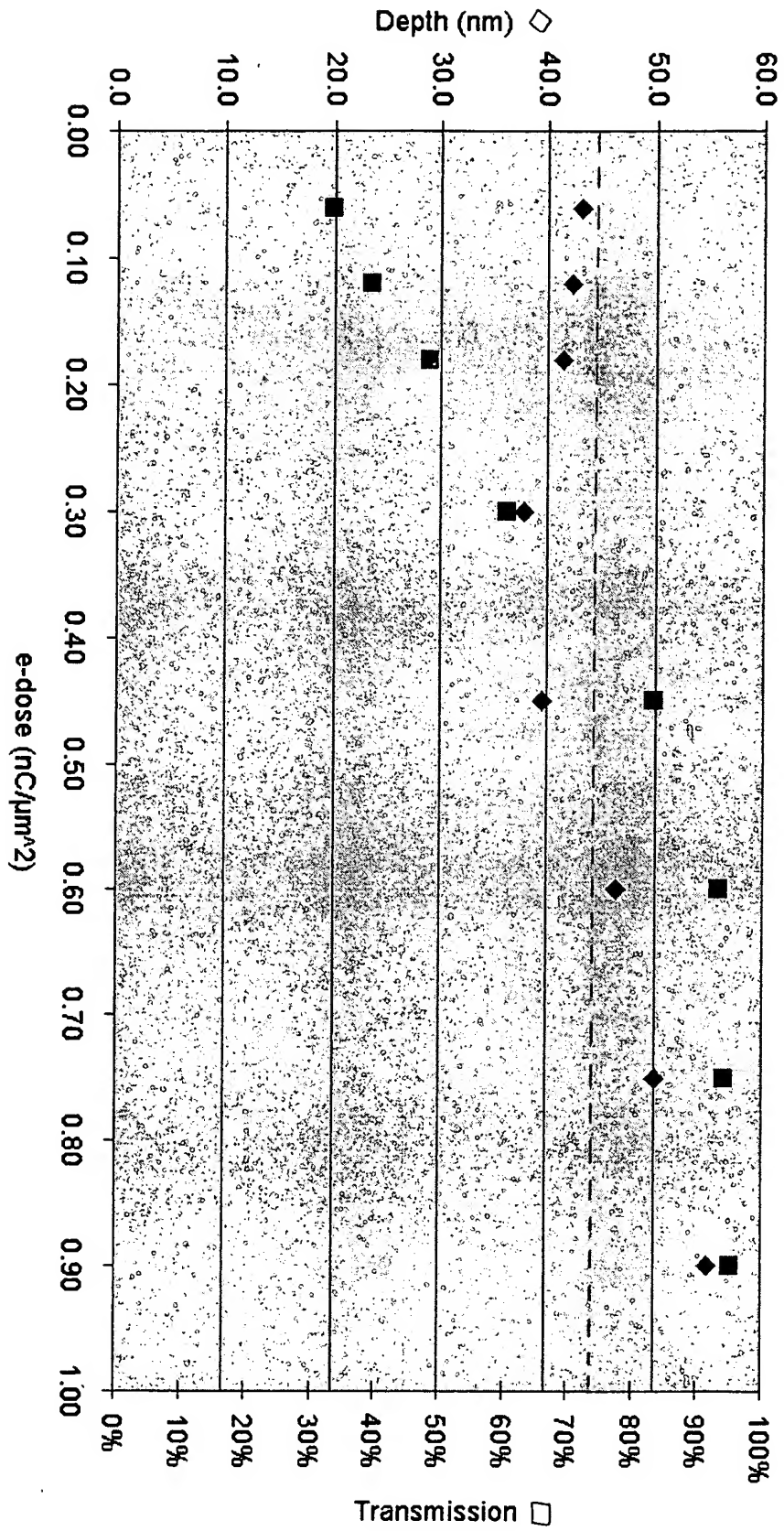


FIG. 1

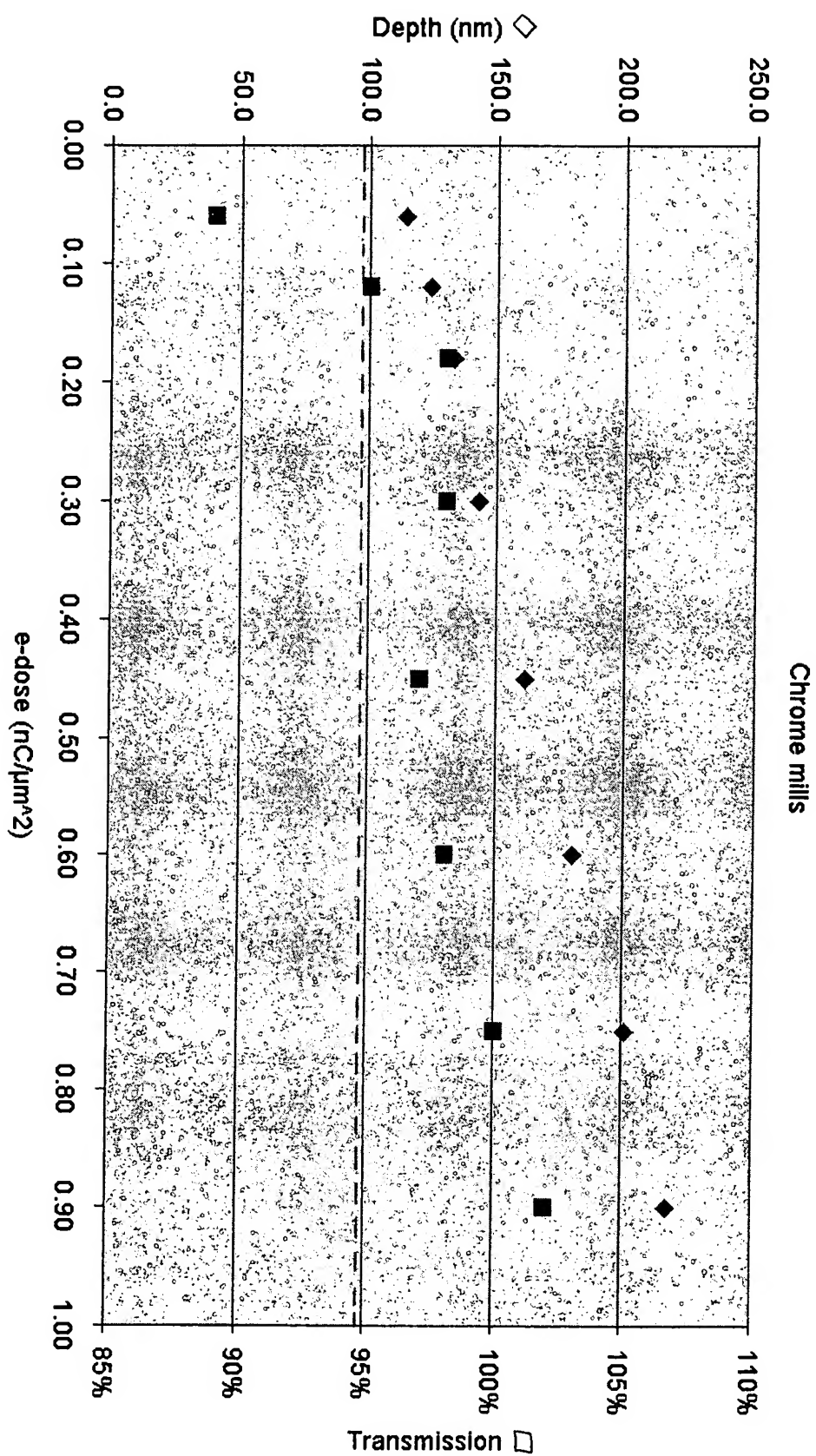


FIG. 2

**$^{193}\text{nm}$  Transmission of Ga implanted quartz for a variety of  $\text{Ga}^+$  implant doses, as a function of e-cleanup dose**

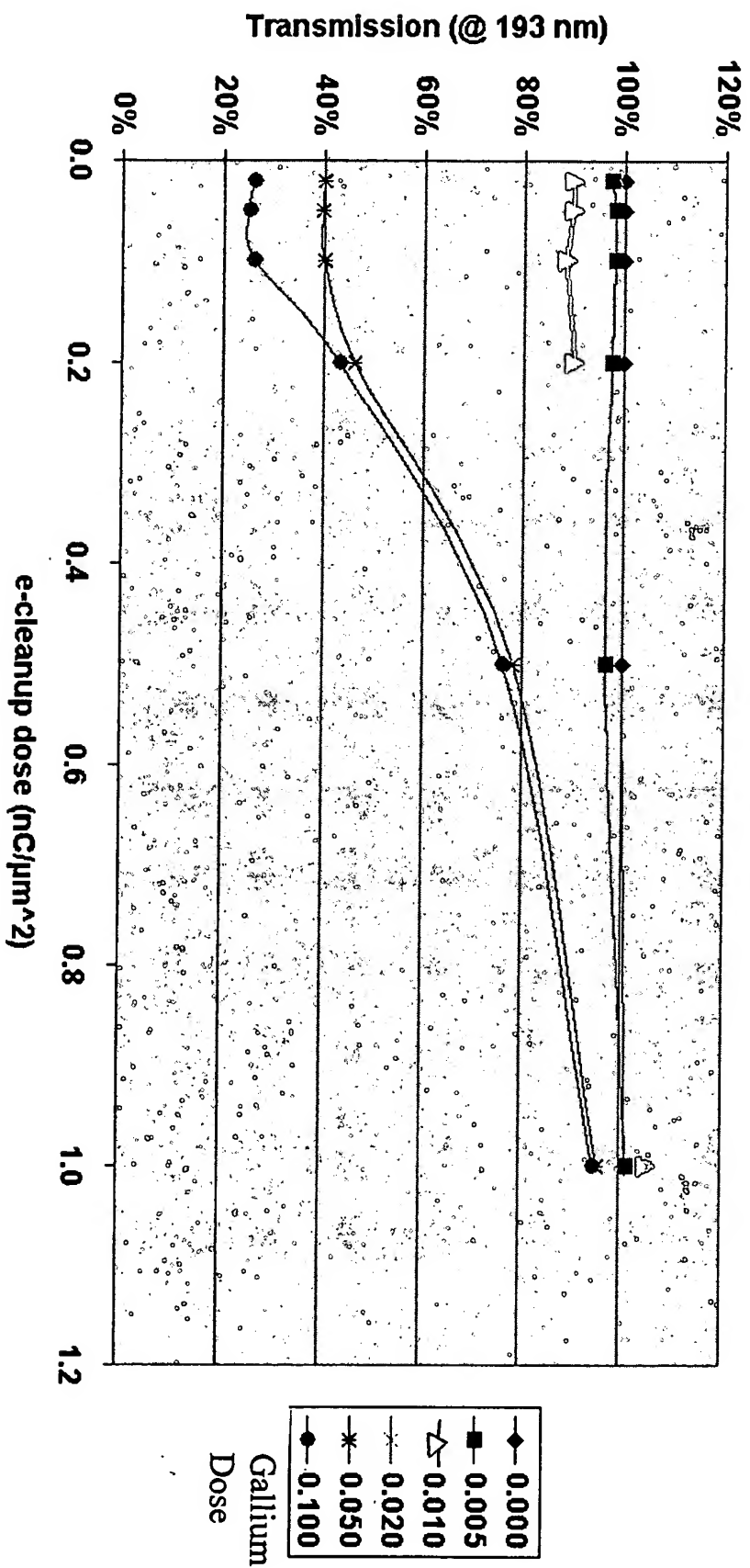


FIG. 3

157 Transmission of Ga implanted quartz for a variety of Ga<sup>+</sup> implant doses, as a function of e-cleanup dose

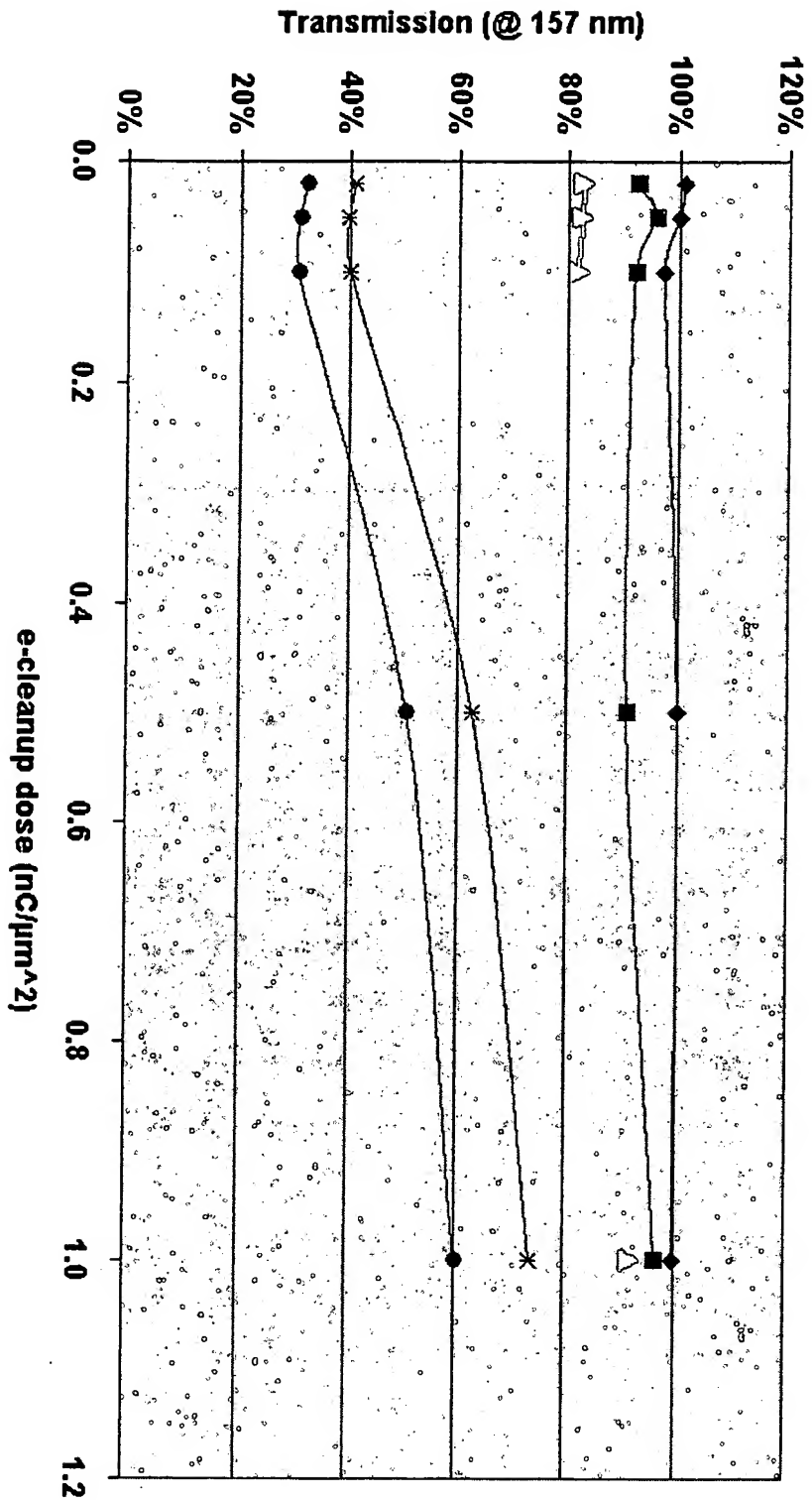


FIG. 4

SNP DIFF depth of Ga implanted quartz for a variety of Ga<sup>+</sup> implant doses, as a function of e<sup>-</sup> cleanup dose

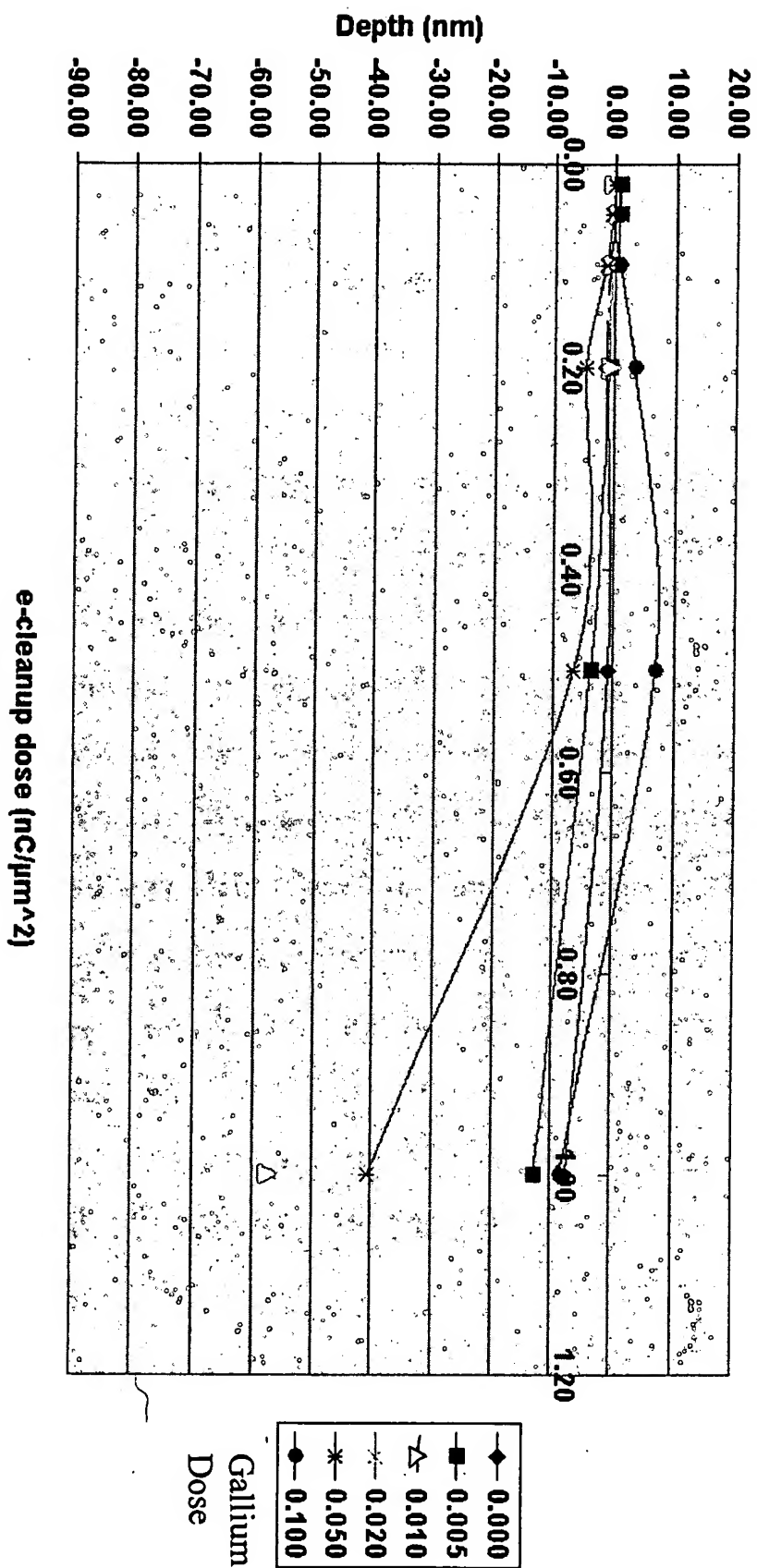


FIG. 5

193 Transmission of Ga implanted quartz after a variety of cleanup doses, as a function of Gat implant dose

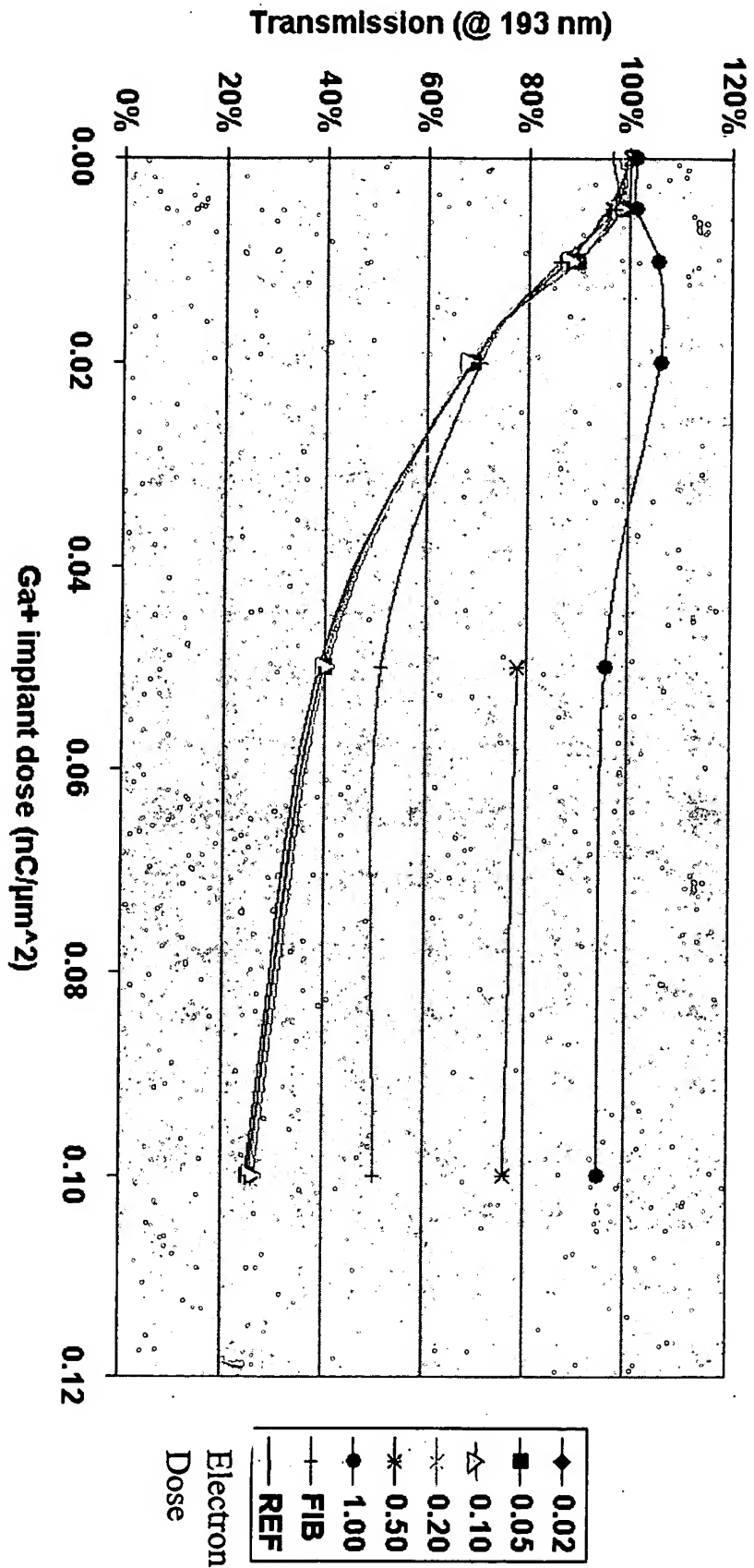


FIG. 6

157 Transmission of Ga implanted quartz after a variety of cleanup doses, as a function of Ga<sup>+</sup> implant dose

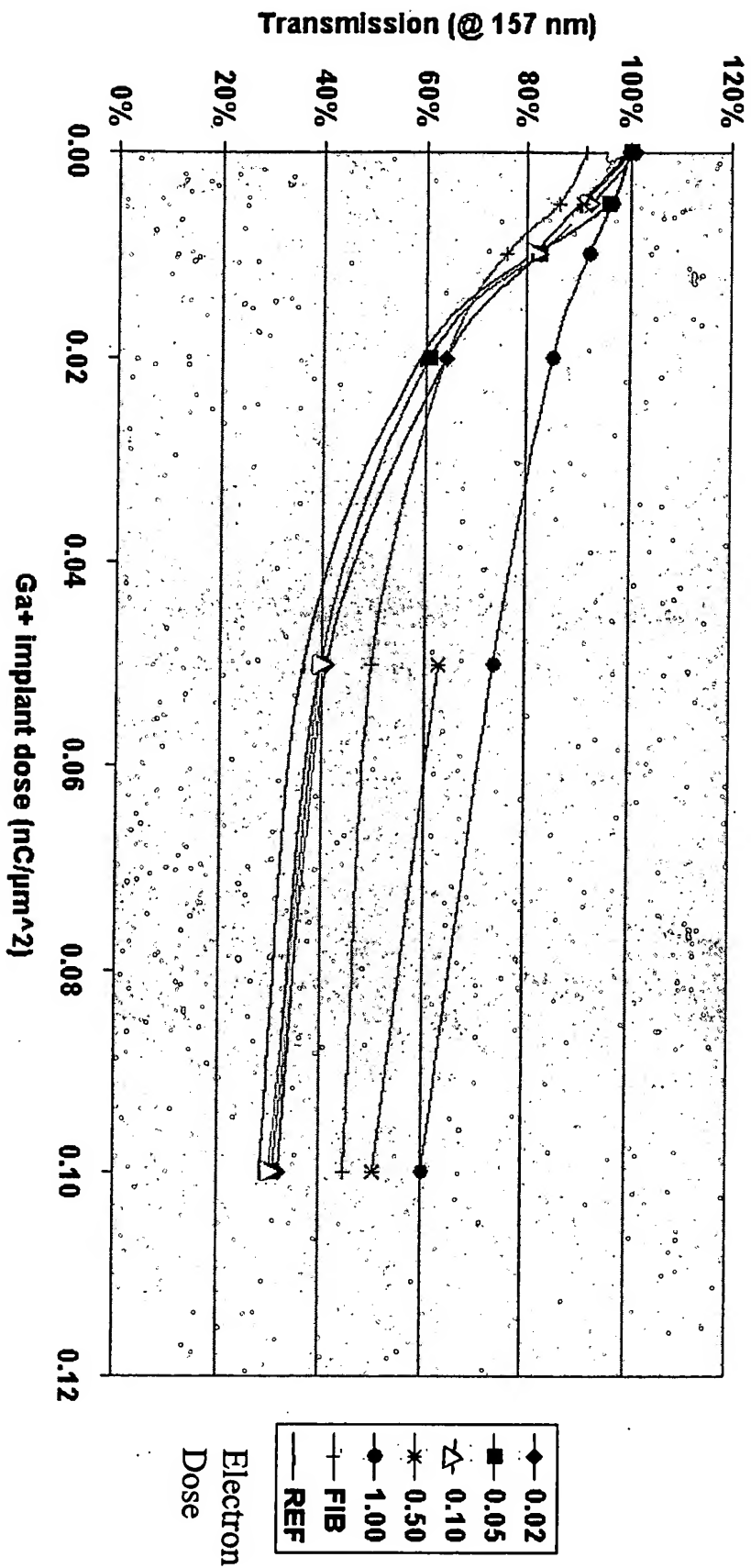


FIG. 7



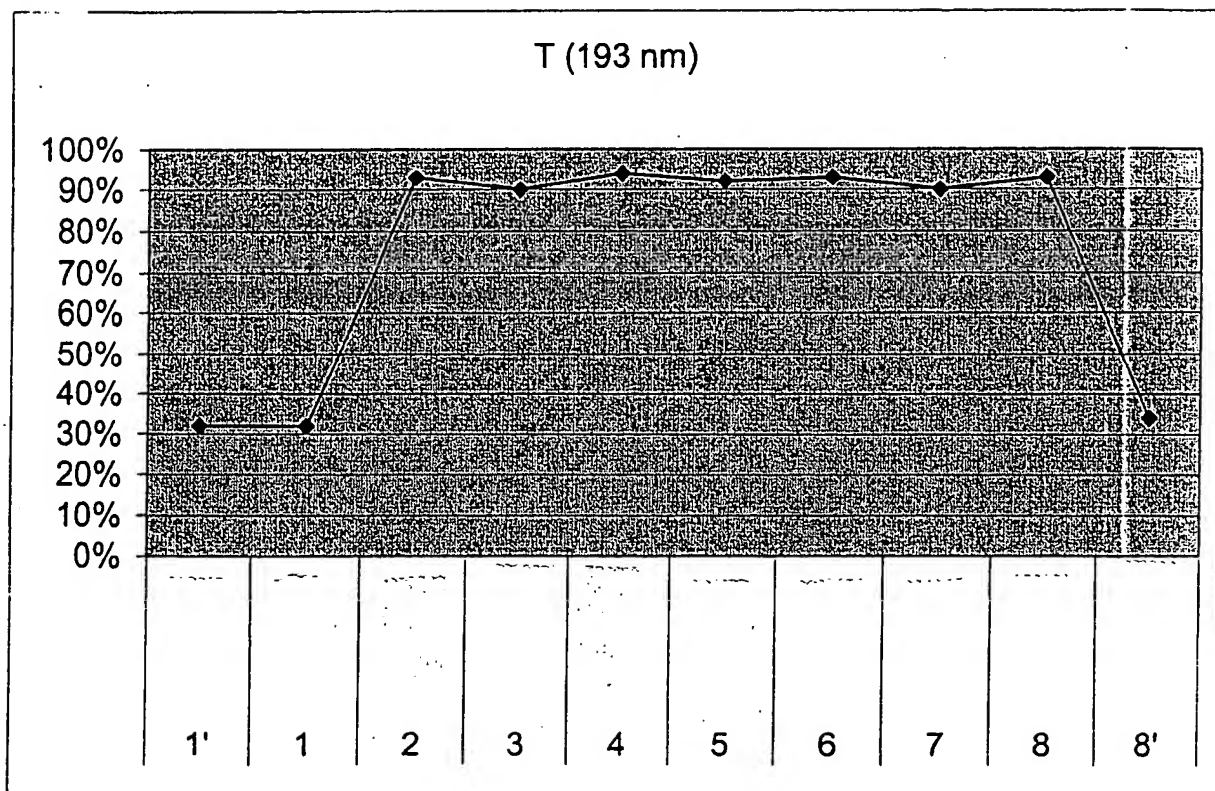


FIG. 8

FIG.  
9A

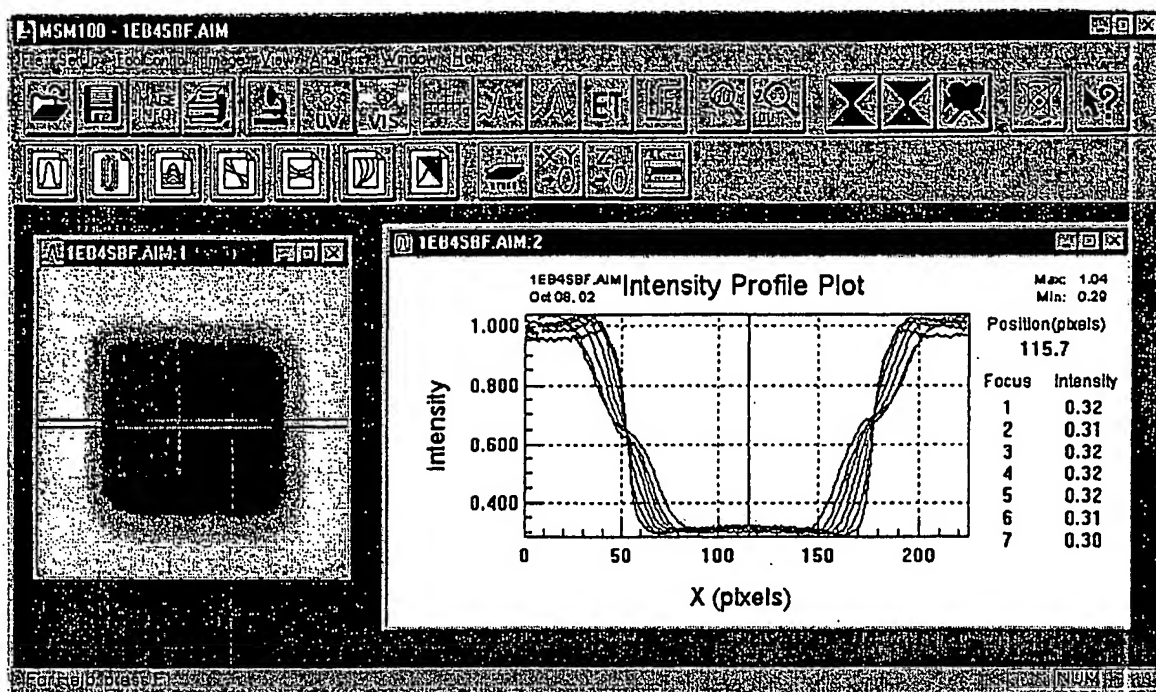


FIG.  
9B

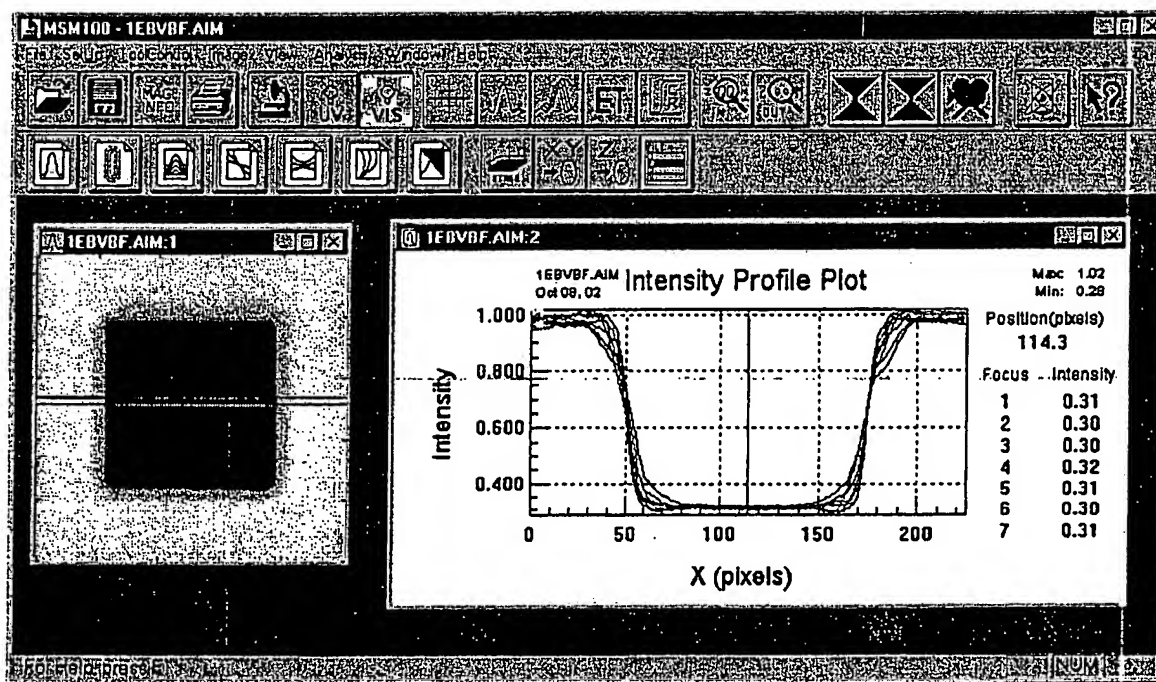


FIG.  
9C

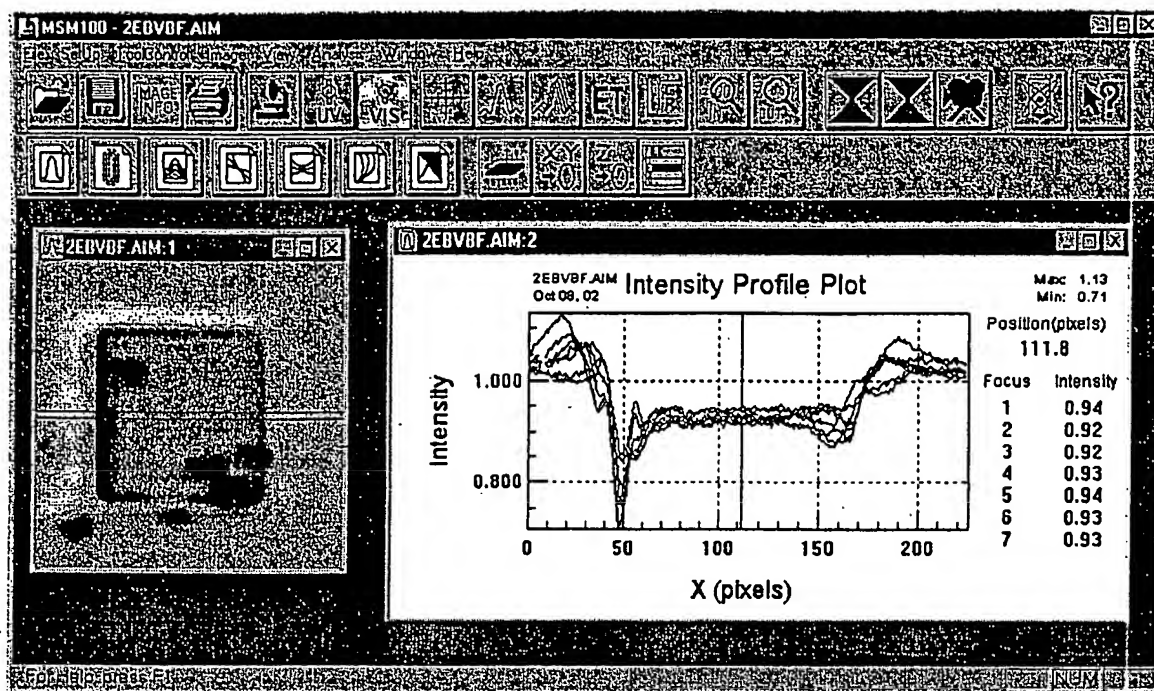


FIG.  
9D

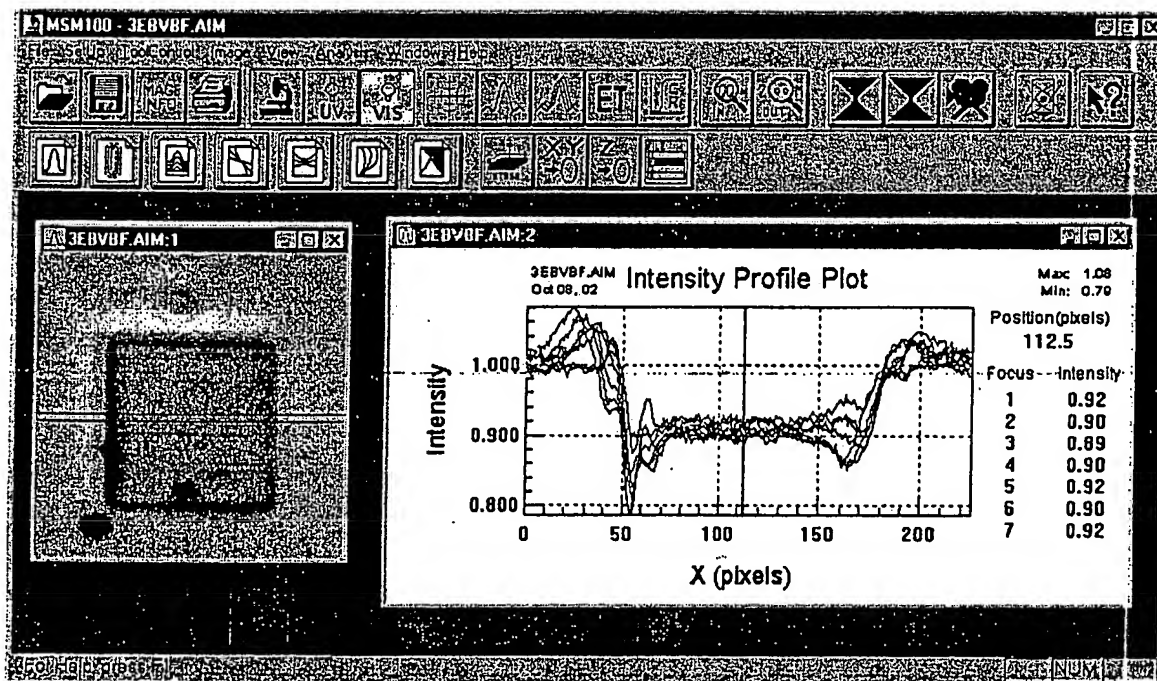


FIG.  
9E

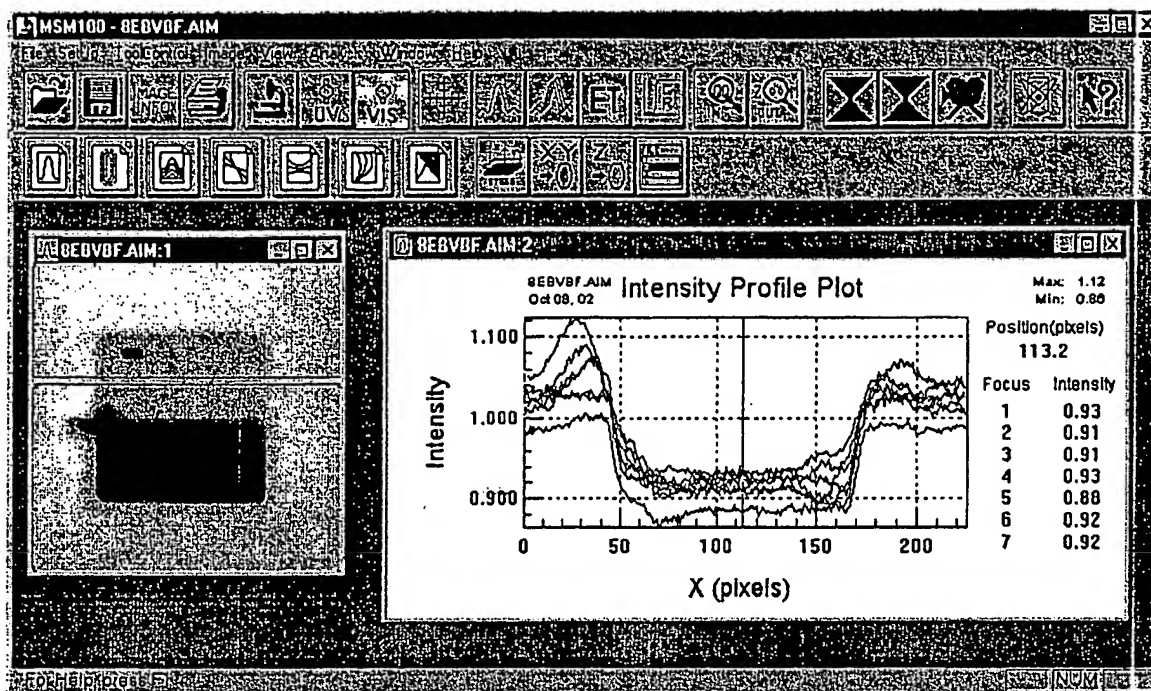
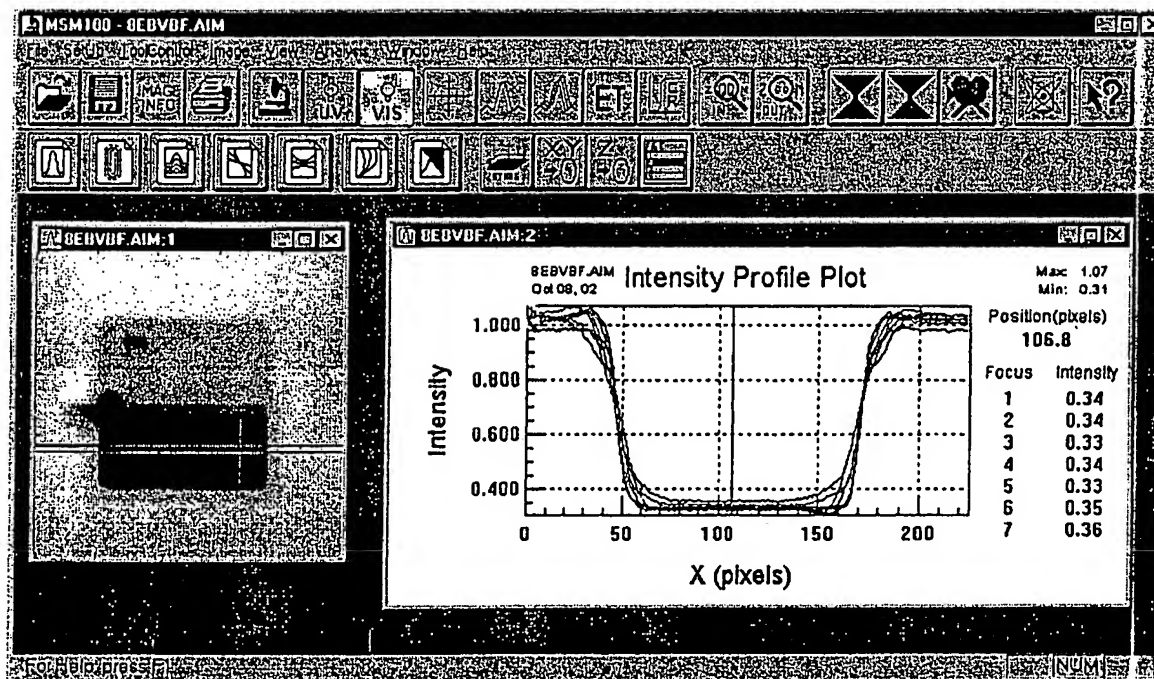


FIG.  
9F



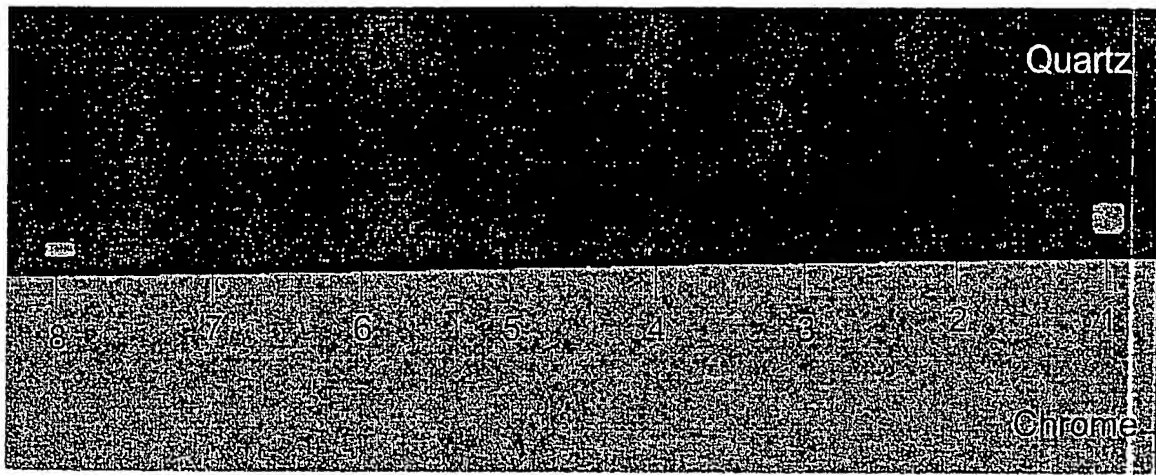


FIG. 10

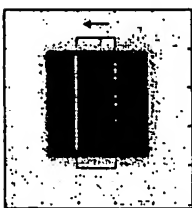
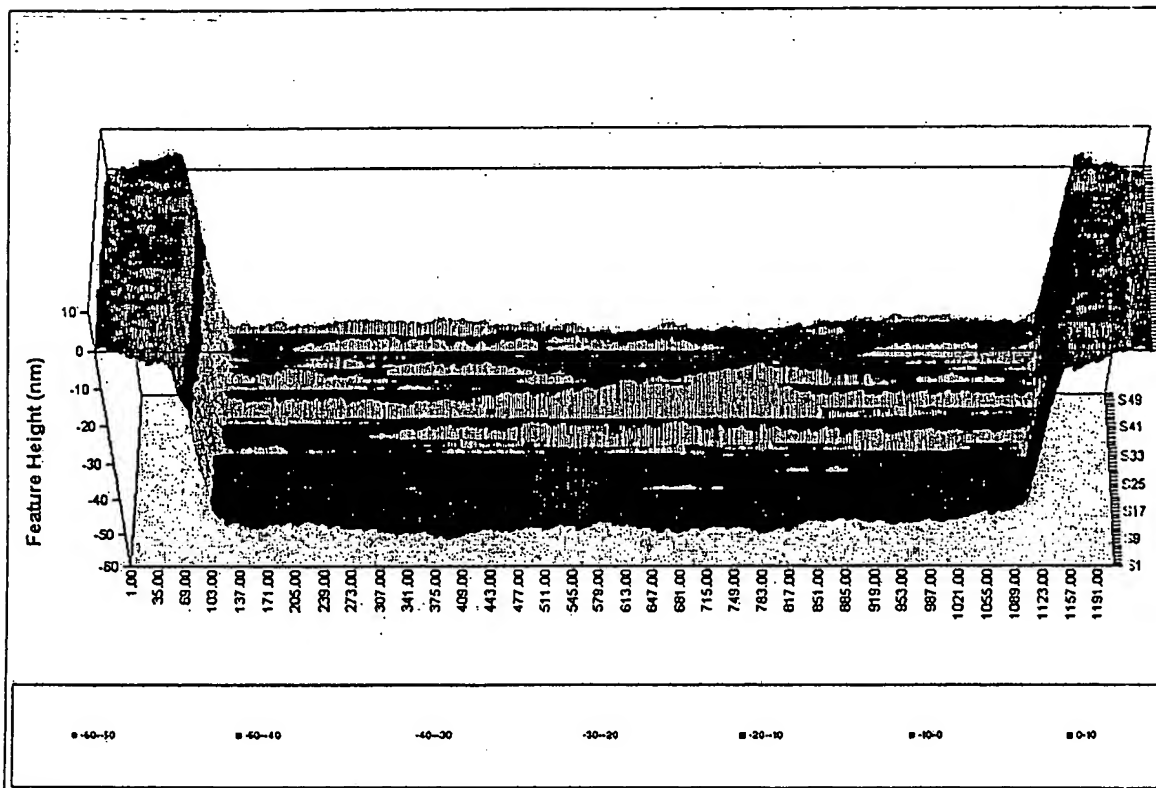


FIG. 11B



SNP plot

FIG. 11A

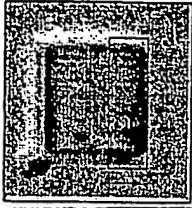
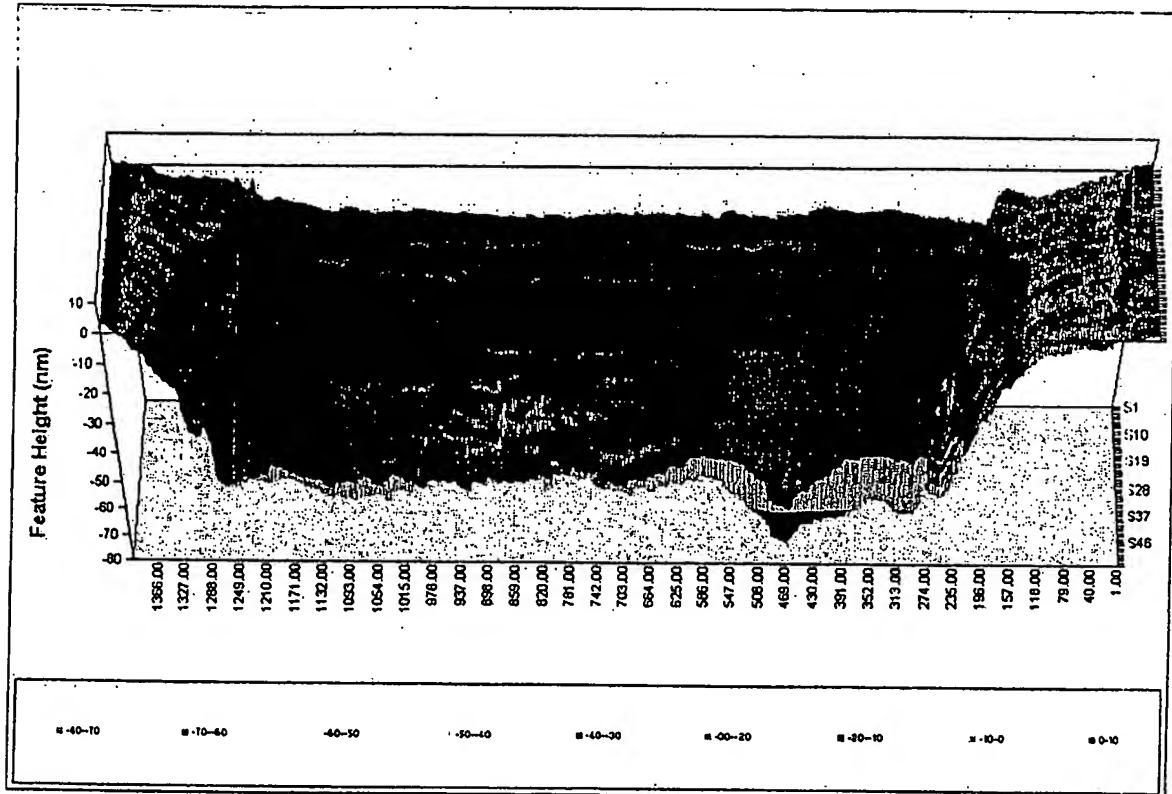


FIG. 11D



SNP plot

FIG. 11C



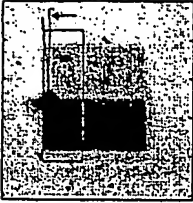
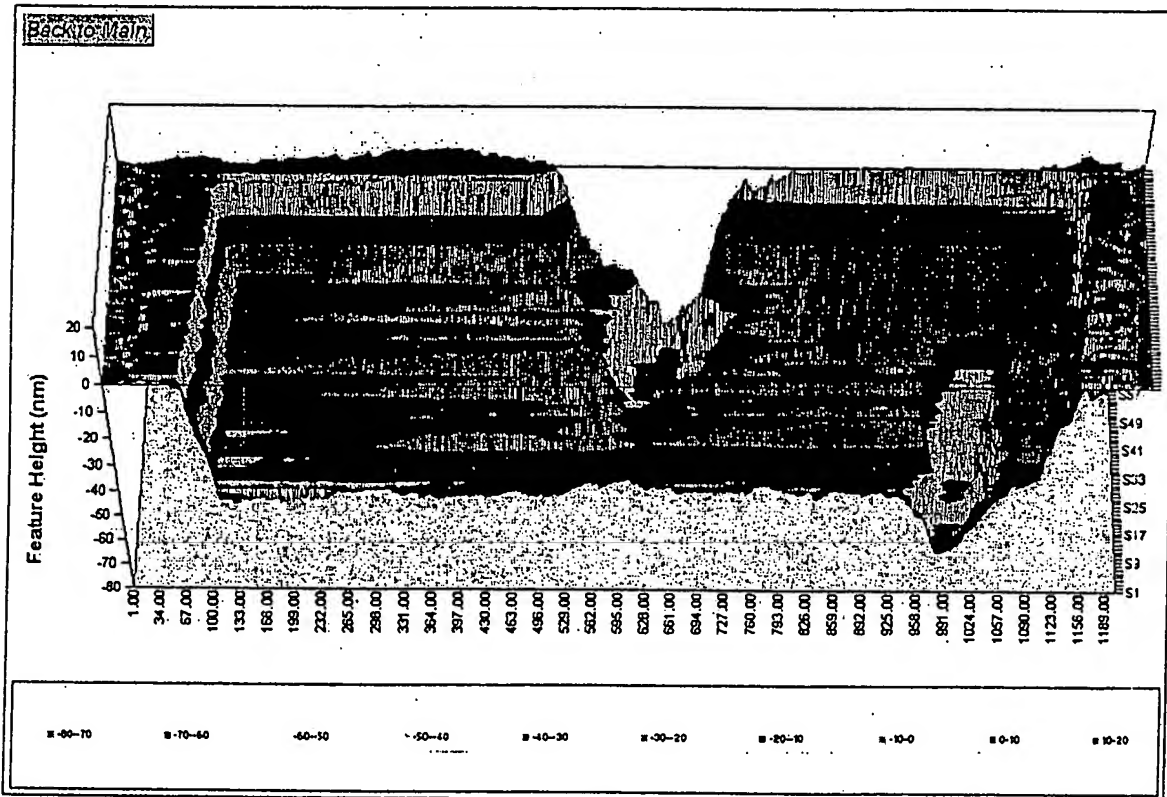


FIG. 11F



SNP plot

FIG. 11E



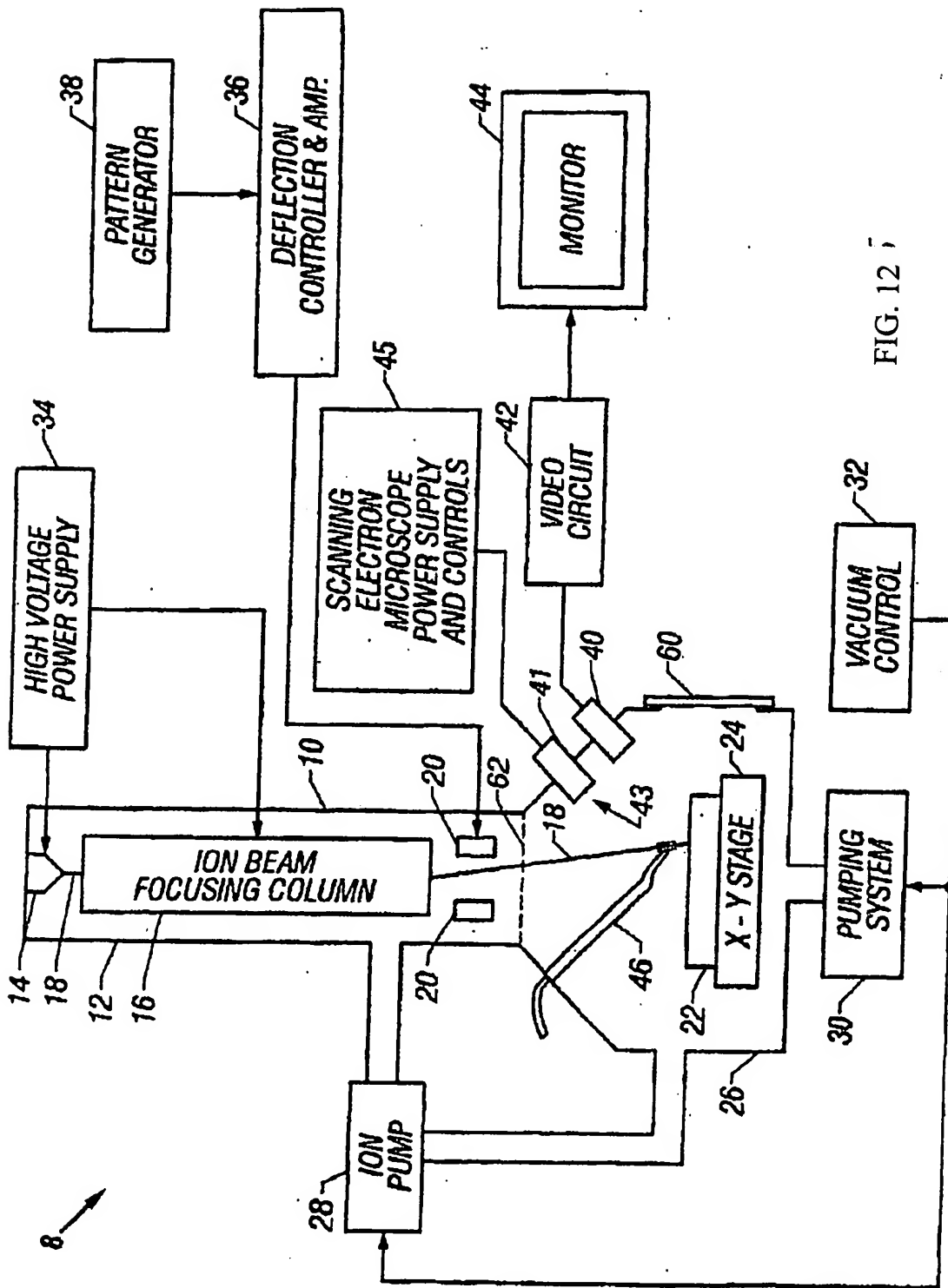


FIG. 12